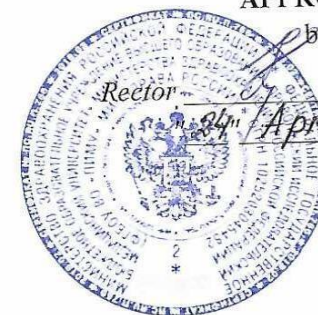


APPROVED

CURRICULUM

speciality
Pharmacy 33.05.01



by N.N.Karyakin

Rector

24 April 2023

Plan approved by the Academic Council
Protocol No. 3 dated 24.04.2023

Faculty: Faculty of International Medical Education

Qualification: Pharmacist

Form of study: Full-time

Duration of study: 5 years

Forms of Professional activity

Year of start of training 2023

FSES HE Order of the Ministry of Education and Science of the Russian Federation of March 27, 2018 No.219

AGREED

Vice Rector for Academic Affairs

Head of educational and methodological management

[Signature] / Bogomolova E.S. /

[Signature] / Koldanova M.N. /

[Signature] / Stelnikova I.G. /

КАЛЕНДАРНЫЙ УЧЕБНЫЙ ГРАФИК на год поступления 2023

КУРС	Ноябрь			Декабрь				Январь				Февраль				Март				Апрель				Май				Июнь				Июль				Август				Сентябрь				Октябрь											
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52			
1	^	^	^	^	^	^	^	^	^	•	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^			
2	^	^	^	^	^	^	^	^	^	•	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^		
3	^	^	^	^	^	^	^	^	^	•	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	
4	^	^	^	^	^	^	^	^	^	•	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	
5	^	^	^	^	^	^	^	^	^	•	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^

Обозначения: ^ Учебные занятия по дисциплинам • Промежуточная аттестация У Учебная практика П Производственная практика К Каникулы Г Государственная итоговая • Праздничные дни

Проректор по учебной работе Е. С. Богомолова



EDUCATIONAL PLAN

No. of cipher	EP structure	Department	SEMESTER DISTRIBUTION			Volume of EP parts in credit units			Volume of EP parts in hours					SEMESTER DISTRIBUTION										
			Examinations	Credits	Term papers	Total	Examinations	Training sessions in disciplines, practices, SFA	Total with an exam	Control	Training sessions in disciplines, practices, SFA			1 semester					2 semester					
											Total	Contact work	Independent work and other forms of EA	Number of weeks of training sessions in disciplines (modules)			19					17		
			lectures	seminars	practice	Independent work and other forms of EA	Control	Credit units	Контактная работа					Independent work and other forms of EA	Control	Credit units								
									lectures	seminars	practice	Independent work and other forms of EA	Control				Credit units							
The number of hours in disciplines (modules) without an exam, practice, SFA																								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15					16					
Block 1. Disciplines						262	20	242	9436	720	8388	5128	3260											
Б1.0	Mandatory Part					211	20	191	7596	720	6876	4196	2680	100	86	298	326	72	24,5	82	314	270	72	20,5
Б1.0.4	History	Soc.Hum.		1		2		2	72		72	44	28	10	34		28		2					
Б1.0.5	Economic theory	Soc.Med.&He	1			4	1	3	144	36	108	66	42	14	52		42	36	4					
Б1.0.6	Foreign Language (Russian)	Foreign Lang.		2,4		6		6	216		216	216				36		1			36			1
Б1.0.9	Mathematics	Med.Biophysics		1		2		2	72		72	44	28	10		34	28		2					
Б1.0.10	Physics	Med.Biophysics		2		3		3	108		108	66	42							14	52	42	3	
Б1.0.11	Informatics	IT		3		3		3	108		108	66	42							10	34	28	2	
Б1.0.12	General and Inorganic chemistry	General Chem.	1			6	1	5	216	36	180	108	72	24		84	72	36	6					
Б1.0.14	Physical and Colloidal chemistry	General Chem.	3			6	1	5	216	36	180	110	70							16	50	42	3	
Б1.0.18	Botany	Biology	2			7	1	6	252	36	216	130	86	16		50	42		3	12	52	44	36	4
Б1.0.19	Biology	Biology		1		3		3	108		108	66	42	14	52	42		3						
Б1.0.20	Physiology with the basics of anatomy	Norm.Physiol	2			6	1	5	216	36	180	108	72	12		42	36		2,5	12	42	36	36	3,5
Б1.0.21	Microbiology	Epid.Micr.EB	3			6	1	5	216	36	180	110	70						18		48	42	3	
Б1.0.34	Physical Culture and Sports	Physical. Edu.		2		2		2	72		72	44	28	4		18	14		1	4	18	14	1	
Б1.Y00	Part formed by participants in educational relations					51		51	1840		1512	932	580	20	102	112		5,5	22	52	92	140	7,5	
	Mandatory part					33		33	1188		1188	728	460											
Б1.Y00.1	Cultural Studies	Soc. Hum.		2		2		2	72		72	44	28							8	36	28	2	
Б1.Y00.5	History of Pharmacy	Soc.Hum.		2		3		3	108		108	66	42							14	52	42	3	
Б1.Y00.6	Biophysics	Med. Biophysics		1		2		2	72		72	44	28	10		34	28		2					
Б1.Y00.8	Latin Language	Foreign Lang.		2		4		4	144		144	90	54			34	20		1,5		56	34	2,5	
Б1.Y00.12	Adaptation to Study at a Medical University	Epid.Micr.EB		1		1		1	36		36	22	14	4		18	14		1					
Б1.Y00.13	Introduction to the Specialty	MEPh&Phar		1		1		1	36		36	22	14	6		16	14		1					
	Elective disciplines					18		18	652		324	204	120				36					36		
	Elective Disciplines in Physical Culture and Sports	Physical Edu.		4,6					328		328	328									36			
	Block 2. Practice					44		44	1584		1584	1584												
	Mandatory part					44		44	1584		1584	1584										72	2	
Б2.Y	Study practice			2,3,6,7		8	8		288		288	288										72	2	
Б2.Y.1	Pharmaceutical Propaedeutic Practice	MEPh&Phar		2		2		2	72		72	72										72	2	
	Block 3. State final certification					4	1	3	144	36	108		108											
	Options																							
ФТД.4	Foreign language (Russian)	Foreign.Lang.	6			7	1	6	252	36	216	216				36						36		
SCOPE OF THE EDUCATIONAL PROGRAM			Exams	Credits	CW	Credit Units			Hours					Number of hours total / per week										
The volume of the base part of the EP			26	50	7	310	21	289	11164	756	10080	6712	3368	120	86	400	438	72		104	52	478	410	72
The volume of the variable part of the EP			Number of hours per week (classroom and self-study)										32					23						
Elective disciplines (from the variable part of the EP)			Number of hours per week (total)										55					61						
			Credit Units Number										30					30						
			Amount:										Semester 1.					Semester 2.						
			Term papers																					
			Exams										2					2						
			Credits										6					7						

EDUCATIONAL PLAN

No. of cipher	EP structure	Department	SEMESTER DISTRIBUTION			Volume of EP parts in credit units			Volume of EP parts in hours					SEMESTER DISTRIBUTION																	
			Examinations	Credits	Term papers	Total	Examinations	Training sessions in disciplines, practices, SFA	Total with an exam	Control	Training sessions in disciplines, practices, SFA			3 semester						4 semester											
											Total	Contact work	Independent work and other forms of EA	Number of weeks of training sessions in disciplines (modules)			19			19											
			lectures	seminars	practice	Independent work and other forms of EA	Control	Credit units	Контактная работа					Independent work and other forms of EA	Control	Credit units															
1	2	3	4	5	6				7	8	9	10	11				12	13	14	15						16					
	Block 1. Disciplines.					262	20	242	9436	720	8388	5128	3260																		
B1.O	Mandatory part					211	20	191	7596	720	6876	4196	2680	112	34	384	298	72	25	128	34	394	344	108	28						
B1.O.1	Philosophy	Soc.Hum.		4		4		4	144		144	86	58	10	34		28		2	8	34		30								
B1.O.6	Foreign Language (Russian)	Foreign Lang.		2,4		6		6	216		216	216	58	10	34		28		2	8	34		30								
B1.O.8	Information support of the life cycle of medicines	MEPh&PPharm Tech.	4	3		5	1	4	180	36	144	88	56	10		34	28		2	10		34	28	36	3						
B1.O.11	Informatics	IT		3		3		3	108		108	66	42	4		18	14		1												
B1.O.13	Information support of the life cycle of medicines	Ther.&Cardiol.		3		2		2	72		72	44	28	10		34	28		2												
B1.O.14	Physical and Colloid Chemistry	General Chem.	3			6	1	5	216	36	180	110	70	12		32	28		36	3											
B1.O.15	Analytical chemistry	General Chem.	4			11	1	10	396	36	360	216	144	24		84	72		5	24		84	72	36	6						
B1.O.17	Organic Chemistry	General Chem.	4			11	1	10	396	36	360	202	158	28		80	72		5	32		62	86	36	6						
B1.O.21	Microbiology	Epid.Micr.EB	3			6	1	5	216	36	180	110	70	14		30	28		36	3											
B1.O.22	Pathology	Pathol.Physiol	5			6	1	5	216	36	180	110	70								14	30	28		2						
B1.O.23	Biological Chemisry	Biochemistry	5			7	1	6	252	36	216	130	86								26	60	58		4						
B1.O.26	Particular Anatomy of Systems and Organs	Norm. Anat.		4		3		3	108		108	66	42								14	52	42		3						
B1.YOO	Part formed by participants in educational relations					51		51	1840		1512	932	580	10		34	100		2	10		82	124		4						
	Mandatory part					33		33	1188		1188	728	460																		
B1.YOO.7	Thermodynamics of Chemical Equilibrium of Various Systems	Gen.Chem.		3		2		2	72		72	44	28	10		34	28		2												
	Elective disciplines					18		18	652		324	204	120				72				10	82	124		4						
B1.YOO.3.1	Elective disciplines 1 (Modern problems of medicinal chemistry / Chemistry of surface phenomena / Instrumental methods in analytical chemistry)	Gen.Chem.		4		2		2	72		72	44	28								10	34	28		2						
B1.YOO.3.7	Elective disciplines 2 (Fundamentals of scientific translation in pharmacy / Fundamentals of translation of professional texts in pharmacy)	Foreign.Lang.		4		2		2	72		72	48	24									48	24		2						
	Elective disciplines in physical culture and sports	Physical.Cult.		4,6					328		328	328					72					72									
	Block 2. Practice					44		44	1584		1584	1584																			
	Mandatory part					44		44	1584		1584	1584																			
B2.Y	Study practice			2,3,6,7		8	8		288		288	288																			
B2.Y.4	First aid practice	Ther.&Cardiol.		3		1		1	36		36	36																			
	Block 3. State final certification					4	1	3	144	36	108		108																		
SCOPE OF THE EDUCATIONAL PROGRAM			Exams	Credits	CW	Credit Units			Hours					Number of hours total / per week																	
			26	50	7	310	21	289	11164	756	10080	6712	3368	122	34	454	398	72		138	34	476	468	108							
The volume of the base part of the EP			84%									Hours per week (classroom and self-study)					32														
The volume of the variable part of the EP			16%									Hours per week (in total)					53														
Elective disciplines (from the variable part of the EP)			35%									Number of credit units					28														
												Amount:					Semester 3						Semester 4								
												Term papers																			
												Exams					2						3								
												Credits					5						6								

EDUCATIONAL PLAN

No. of cipher	EP structure	Department	SEMESTER DISTRIBUTION			Volume of EP parts in credit units			Volume of EP parts in hours				SEMESTER DISTRIBUTION																										
			Examinations	Credits	Term papers	Total	Examinations	Training sessions in disciplines, practices, SFA	Total with an exam	Control	Total	Contact work	Independent work and other forms of EA	3rd year																									
														5 semester					6 semester																				
														Number of weeks of training sessions in disciplines (modules)																									
														19					19																				
														Contact work			Independent work and other forms of EA	Control	Credit units	Контактная работа			Independent work and other forms of EA	Control	Credit units														
lectures	seminars	practice	lectures	seminars	practice																																		
The number of hours in disciplines (modules) without an exam, practice, SFA																																							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15					16																				
	Block 1. Disciplines.					262	20	242	9436	720	8388	5128	3260																										
B1.O	Mandatory part					211	20	191	7596	720	6876	4196	2680	134	68	350	348	72	27	92		354	310	36	22														
B1.O.2	Jurisprudence	Soc.Med.&He		5		2		2	72		72	44	28	10	34		28		2																				
B1.O.3	Bioethics	G&C Psych.		5		2		2	72		72	44	28	10	34		28		2																				
B1.O.7	Information Technology in Pharmacy	MEPh&PHar		5		1		1	36		36	20	16	6		14	16		1																				
B1.O.22	Pathology	Path.Phys.	5			6	1	5	216	36	180	110	70	20		46	42	36	4																				
B1.O.23	Biological Chemistry	Biochemisry	5			7	1	6	252	36	216	130	86	12		32	28	36	3																				
B1.O.24	Pharmacology	G&CI Pharm	7			9	1	8	324	36	288	174	114	16		50	42		3	14		50	44																
B1.O.25	Life safety. Emergency Medicine	Disaster Med	6			4	1	3	144	36	108	64	44								14		50	44	36	4													
B1.O.27	General Pharmaceutical Technology	MEPh&PHar	7			7	8	1	7	288	36	252	142	110							18		66	60															
B1.O.29	Pharmacognosy	Pharm.Chem.	7			6	11	1	10	396	36	360	214	146	14		52	42		3	18	66	60																
B1.O.30	Pharmaceutical Chemistry	G&CIPh.	8	6	7	18	1	17	648	36	612	368	244	22		70	52		4	14		70	60																
B1.O.33	Management and Economics of Pharmacy	MEPh&PHar	8	6,7	6	17	1	16	612	36	576	348	228	14		52	42		3	14		52	42																
B1.O.39	Fundamentals of Military Training	Disaster Med.		5		2		2	72		72	44	28	10		34	28		2																				
B1.YOO	Part formed by participants in educational relations					51		51	1840		1512	932	580	14		52	98		3	26		84	126	5															
	<i>Mandatory part</i>					33		33	1188		1188	728	460																										
B1.YOO.3	Psychology and Pedagogy	G&CIPsych.		6		2		2	72		72	44	28								10		34	28															
B1.YOO.9	Modern Methods of Pharmaceutical Analysis	Pharm.Chem.		6		2		2	72		72	44	28								10		34	28															
B1.YOO.11	General Hygiene	Hygiene		5		3		3	108		108	66	42	14		52	42		3																				
	<i>Optional Disciplines</i>					18		18	652		324	204	120								6		16	70	1														
B1.YOO.9.2	Elective disciplines 3 (Fundamentals of pharmacogenetics / Chronopharmacology)	G&CI Pharm		6		1		1	36		36	22	14								6		16	14															
	Elective Disciplines in Physical Culture and Sports	Physical Cult.		4,6					328		328	328				56																							
	Block 2. Practice					44		44	1584		1584	1584																											
	<i>Mandatory part</i>					44		44	1584		1584	1584																											
B2.Y	<i>Study practice</i>			2,3,6,7		8	8		288		288	288																											
B2.Y.2	Pharmacognosy Practice	G&CIPh.		6		3		3	108		108	108																											
	Block 3. State final certification					4	1	3	144	36	108		108																										
	Optionals																																						
ФТД.4	Foreign language (Russian)	Ин. яз.		6		7	1	6	252	36	216	216				72																							
SCOPE OF THE EDUCATIONAL PROGRAM			Examin	Credits	CW	Credit units			Hours					Number of hours total / per week																									
			26	50	7	310	21	289	11164	756	10080	6712	3368	148	68	402	446	72		118		546	436	36															
The volume of the base part of the EP			84%						Hours per week (classroom and self-study)					33						23																			
The volume of the variable part of the EP			16%						Number of hours per week (total)																														
Elective disciplines (from the variable part of the EP)			35%						Number of credit units																														
			Amount:																																				
			5 semester																																				
			6 semester																																				
			Term papers																																				
			Exams																																				
			Credits																																				
			2																																				
			7																																				

EDUCATIONAL PLAN

No. of cipher	EP structure	Department	SEMESTER DISTRIBUTION			Volume of EP parts in credit units			Volume of EP parts in hours				SEMESTER DISTRIBUTION															
			Examinations	Credits	Term papers	Total	Examinations	Training sessions in disciplines, practices, SFA	Total with an exam	Control	Total	Contact work	Independent work and other forms of EA	5 year														
														9 semester					10 semester									
														Number of weeks of training sessions in disciplines (modules)														
														16					2									
Contact work		Independent work and other forms of EA	Control	Credit units	Контактная работа			Independent work and other forms of EA	Control	Credit units																		
lectures	seminars				practice	lectures	seminars				practice																	
The number of hours in disciplines (modules) without an exam, practice, SFA																												
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16													
	Block 1. Disciplines					262	20	242	9436	720	8388	5128	3260															
Б1.О	Mandatory part					211	20	191	7596	720	6876	4196	2680	46	152	126	72	11										
Б1.О.16	Emergency Care	АриТ		9		2		2	72		72	44	28	10	34	28	2											
Б1.О.35	Clinical Pharmacology with Fundamentals of Pharmacotherapy	G&CPh.	9		8	9	1	8	324	36	288	176	112	20	68	56	36	5										
Б1.О.37	Legal Bases of the Pharmacist's Activity	МЕPh&PHar	9			3	1	2	108	36	72	44	28	10	34	28	36	3										
Б1.О.38	Pharmaceutical Consulting and Information	МЕPh&PHar		9		1		1	36		36	22	14	6	16	14		1										
Б1.УОО	The part formed by the participants of educational relations					51		51	1840		1512	932	580	52	166	142		10										
	Mandatory part					33		33	1188		1188	728	460															
Б1.УОО.2	Industrial Pharmaceutical Technology	ФармХиФ		9	9	7		7	252		252	152	100	20	66	58		4										
Б1.УОО.4	Pharmaceutical management	МЕPh&PHar		9	9	3		3	108		108	66	42	14	52	42		3										
	Elective disciplines					18		18	652		324	204	120	18	48	42		3										
Б1.УОО.Э.4	Elective disciplines 7 (Promotion of goods on the pharmaceutical market / Project management in pharmacy)	МЕPh&PHar m Tech.		9		1		1	36		36	22	14	6	16	14		1										
Б1.УОО.Э.5	Elective disciplines 5 (Organization of drug supply of the population / Fundamentals of entrepreneurial activity in pharmacy)	МЕPh&PHar m Tech.		9		1		1	36		36	22	14	6	16	14		1										
Б1.УОО.Э.6	Elective disciplines 6 (State registration and examination of medicines / State control and supervision in the field of circulation of medicines)	МЕPh&PHar m Tech.		9		1		1	36		36	22	14	6	16	14		1										
	Block 2. Practice					44		44	1584		1584	1584																
	Mandatory Part					44		44	1584		1584	1584			468			13		828	23							
Б2.П	Practice, incl. undergraduate			9,10		36	36		1296		1296	1296			468			13		828	23							
Б2.П.1	Pharmaceutical Quality Control Practice	Pharm.Chem.		9		5		5	180		180	180			180			5										
Б2.П.2	Practice in Industrial Pharmaceutical Technology	Pharm.Chem.		10		5		5	180		180	180								180	5							
Б2.П.3	Practice in Management and Economics of Pharmaceutical Organizations	МЕPh&PHar m Tech.		10		18		18	648		648	648								648	18							
Б2.П.4	Pharmaceutical Counseling and Information Practice	МЕPh&PHar m Tech.		9		5		5	180		180	180			180			5										
Б2.П.5	Pharmaceutical technology practice	МЕPh&PHar		9		3		3	108		108	108			108			3										
	Block 3. State final certification					4	1	3	144	36	108		108															
Б3.ГИА.1	State exam	МЕPh&PHar		10		4	1	3	144	36	108		108							108	36	4						
	Optionals																											
ФТД.1	Pharmaceutical development	МЕPh&PHar		9		2		2	72		72	72			72													
ФТД.2	Medical supply of a medical organization	МЕPh&PHar		9		2		2	72		72	72			72													
SCOPE OF THE EDUCATIONAL PROGRAM			Exams	Credits	CW	Credit Units			Hours				Number of hours total / per week															
			26	50	7	310	21	289	11164	756	10080	6712	3368	98		786	268	72			828	108	36					
The volume of the base part of the EP			84%											Hours per week (classroom and self-study)					55					17				
The volume of the variable part of the EP			16%											Number of hours per week (total)					72					468				
Elective disciplines (from the variable part of the EP)			35%											Number of credit units					34					27				
														Amount:					Semester 9					Semester 10				
														Term Papers					2									
														Exams					5					3				
														Credits					9									

ASSIGNING COMPETENCES TO DISCIPLINES

Discipline	Name of EP blocks, modules, disciplines, practices	Department	Semester	Cr
Block 1. Disciplines				
Mandatory part				
B1.O.1	Philosophy	Soc.Hum.	3, 4	4
B1.O.2	Jurisprudence	Soc.Med.&Healthcare Manag.	5	2
B1.O.3	Basics	G&CI Psych	5	2
B1.O.4	History	Soc.Hum.	1	2
B1.O.5	Economic theory	Soc.Med.&Healthcare Manag.	1	4
B1.O.6	Foreign language (Russian)	Foreign Lang.	1, 2, 3, 4	5
B1.O.7	Information Technology in Pharmacy	MEPh&Pharm Tech.	5	1
B1.O.8	Information support of the life cycle of medicines	MEPh&Pharm Tech.	3, 4	3
B1.O.9	Mathematics	Med.Biophysics	1	2
B1.O.10	Physics	Med.Biophysics	2	3
B1.O.11	Informatics	IT	2, 3	3
B1.O.12	General and Inorganic Chemistry	General Chem.	1	6
B1.O.13	First Aid	Theor.Cardiol.	3	2
B1.O.14	Physical and Colloid Chemistry	General Chem.	2, 3	6
B1.O.15	Analytical Chemistry	General Chem.	3, 4	11
B1.O.16	First Aid	ARRT	9	2
B1.O.17	Organic Chemistry	General Chem.	3, 4	11
B1.O.18	Biology	Biology	1, 2	7
B1.O.19	Biology	Biology	1	3
B1.O.20	Physiology with the Basics of Anatomy	Norm.Physiol.	1, 2	6
B1.O.21	Microbiology	Epid.Micr.EBM	2, 3	6
B1.O.22	Pathology	Path.Physiol.	4, 5	6
B1.O.23	Biological Chemistry	Biochemistry	4, 5	7
B1.O.24	Pharmacology	G&CI.Pharm.	5, 6, 7	9
B1.O.25	Life safety. Emergency Medicine	Dis.Med.	6	4
B1.O.26	Anatomy of Systems and Organs	Norm.Anat.	4	3
B1.O.27	General Pharmaceutical Technology	MEPh&Pharm Tech.	6, 7	8
B1.O.28	Biotechnology	MEPh&Pharm Tech.	8	4
B1.O.29	Pharmacognosy	Pharm.Chem.&Ph.h.	5, 6, 7	10
B1.O.30	Pharmaceutical Chemistry	Pharm.Chem.&Ph.h.	5, 6, 7, 8	18
B1.O.31	Toxicological chemistry	Pharm.Chem.&Ph.h.	7, 8	6
B1.O.32	Medical and pharmaceutical merchandising	MEPh&Pharm Tech.	7, 8	5
B1.O.33	Management and Economics of Pharmacy	MEPh&Pharm Tech.	6, 7, 8	14
B1.O.34	Physical Education and Sport	Physical Edu.	1, 2	2
B1.O.35	Clinical Pharmacology with the Basics of Pharmacotherapy	G&CI.Pharm.	8, 9	9
B1.O.36	Pharmaceutical Ecology	Hygiene	7	2
B1.O.37	Legal Basis for the Activity of a Pharmacist	MEPh&Pharm Tech.	9	3
B1.O.38	Pharmaceutical Consulting and Information	MEPh&Pharm Tech.	9	1
B1.O.39	Fundamentals of Military Training	Dis.Med.	5	0
B1.Y.0	Part formed by participants in educational relations			
B1.Y.00.1	Cultural Studies	Soc.Hum.	2	2
B1.Y.00.2	Industrial Pharmaceutical Technology	Pharm.Chem.&Ph.h.	8, 9	7
B1.Y.00.3	Psychology and Pedagogy	G&CI Psych	6	2
B1.Y.00.4	Pharmaceutical management	MEPh&Pharm Tech.	9	3
B1.Y.00.5	History of Pharmacy	Soc.Hum.	2	3
B1.Y.00.6	Biophysics	Med.Biophysics	1	2
B1.Y.00.7	Thermodynamics of chemical equilibrium of various systems	Gen.Chem.	3	2
B1.Y.00.8	Latin Language	Foreign Lang.	1, 2	3
B1.Y.00.9	Modern Methods of Pharmaceutical Analysis	Pharm.Chem.&Ph.h.	6	3
B1.Y.00.10	Communication bases of pharmaceutical activity	G&CI Psych	7	1
B1.Y.00.11	General Hygiene	Hygiene	5	3
B1.Y.00.12	Adaptation to study at a medical university	MEPh&Pharm Tech.	1	0
B1.Y.00.13	Introduction to the Specialty	MEPh&Pharm Tech.	1	0
B1.Y.0	Optionals			
B1.Y.00.0.1	Elective disciplines 1 / Instrumental methods in analytical chemistry	General Chem.	4	2
B1.Y.00.0.1	Elective disciplines 1 / Modern problems of medical chemistry	General Chem.	4	2
B1.Y.00.0.1	Elective disciplines 1 / Chemistry of surface phenomena	General Chem.	4	2
B1.Y.00.0.2	Elective disciplines 3 / Fundamentals of pharmacogenetics	G&CI Pharm	6	1
B1.Y.00.0.2	Elective disciplines 3 / Chronopharmacology	G&CI Pharm	6	1
B1.Y.00.0.3	Elective disciplines 4 / Pharmaceutical logistics	MEPh&Pharm Tech.	8	1
B1.Y.00.0.3	Elective disciplines 4 / Pharmaceutical marketing	MEPh&Pharm Tech.	8	1
B1.Y.00.0.4	Elective disciplines 7 / Promotion of goods on the pharmaceutical market	MEPh&Pharm Tech.	9	1
B1.Y.00.0.4	Elective disciplines 7 / Project management in pharmacy	MEPh&Pharm Tech.	9	1
B1.Y.00.0.5	Elective disciplines 5 / Organization of drug supply for the population	MEPh&Pharm Tech.	9	1
B1.Y.00.0.5	Elective disciplines 5 / Fundamentals of entrepreneurial activity in pharmacy	MEPh&Pharm Tech.	9	1
B1.Y.00.0.6	Elective disciplines 6 / State registration and examination of medicines	MEPh&Pharm Tech.	9	1
B1.Y.00.0.6	Elective disciplines 6 / State control and supervision in the field of circulation of medicines	MEPh&Pharm Tech.	9	1
B1.Y.00.0.7	Elective disciplines 2 / Fundamentals of scientific translation in pharmacy	Foreign Lang.	4	2
B1.Y.00.0.7	Elective disciplines 2 / Fundamentals of translation of professional texts in pharmacy	Foreign Lang.	4	2
B1.Y.00.0.7	Elective disciplines in physical culture and sports	Physical Edu.	1, 2, 3, 4, 5, 6	2
Block 2. Practice				
Mandatory part				
B2.Y.1	Pharmaceutical propaedeutic practice	MEPh&Pharm Tech.	2	1
B2.Y.2	Pharmacognosy practice	Pharm.Chem.&Ph.h.	6	3
B2.Y.3	General Pharmaceutical Technology Practice	MEPh&Pharm Tech.	7	2
B2.Y.4	First aid practice	Therapy&Card.	3	1
B2.Y.1.1	Pharmaceutical Quality Control Practice	Pharm.Chem.&Ph.h.	9	5
B2.Y.1.2	Practice in Industrial Pharmaceutical Technology	Pharm.Chem.&Ph.h.	10	5
B2.Y.1.3	Practice in Management and Economics of Pharmaceutical Organizations	MEPh&Pharm Tech.	10	18
B2.Y.1.4	Pharmaceutical Consulting and Information Practice	MEPh&Pharm Tech.	9	5
B2.Y.1.5	Pharmaceutical technology practice	MEPh&Pharm Tech.	9	3
Block 3. State final certification				
B3.Y.1.1	State exam	MEPh&Pharm Tech.	10	4

Head of the Scientific and Methodological Center of the UMU

Head of the graduating department

Educational program developer